

Weekly Report

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Intro

This week I spent 3 days on the seminar paper report. My VIS2013 projects and VisWeek2012 survey are still going on.

Research

- **Narrowing down my ideas** This week I read chapter 6 and 7 of [1] to find some topics on meta-path clustering in heterogeneous information network. The newly-published methods on this topic contains interactions to users so it is suitable for visual analytics approach.
- **Ongoing VAST 2012 and InfoVis 2012 Survey (cont.)** I accomplished reading of [2] and [3] this week. [2] claims a novel method for scattering and gathering intermediate clustering results to modify the clusters. [3] is related to my heterogeneous project for it constructs a new framework for social relationship fusion, which combines multiple information resources to support reasoning.

Practice & Skills

None.

Miscellaneous

- **Textbook** I have delivered the new content of our textbook. Prof. Wu told me to talk about details of chapter 3 on Monday.
- **Convex Analysis Final Exam** This weekend it is announced that the final exam will be on Dec. 15, so from this week on I need to spend several days on this course.

Plan for Next Week

- Continue to narrow down my ideas;
- prepare for convex analysis final exam.

References

- [1] J. Han and Y. Sun, *Mining Heterogeneous Information Networks: Principles and Methodologies*. Morgan & Claypool Publishers, July 2012.
- [2] M. S. Hossain, P. K. R. Ojili, C. Grimm, R. Muller, L. T. Watson, and N. Ramakrishnan, “Scatter/Gather Clustering: Flexibly Incorporating User Feedback to Steer Clustering Results,” *IEEE Transactions on Visualization and Computer Graphics*, vol. 18, no. 12, pp. 2829–2838, 2012.
- [3] L. Gou, X. L. Zhang, A. Luo, and P. F. Anderson, “SocialNetSense: Supporting Sensemaking of Social and Structural Features in Networks with Interactive Visualization,” in *Visual Analytics Science and Technology (VAST), 2012 IEEE Conference on*, 2012.